M. A. R. 57 (Rule 116)

Measurement Book

490647

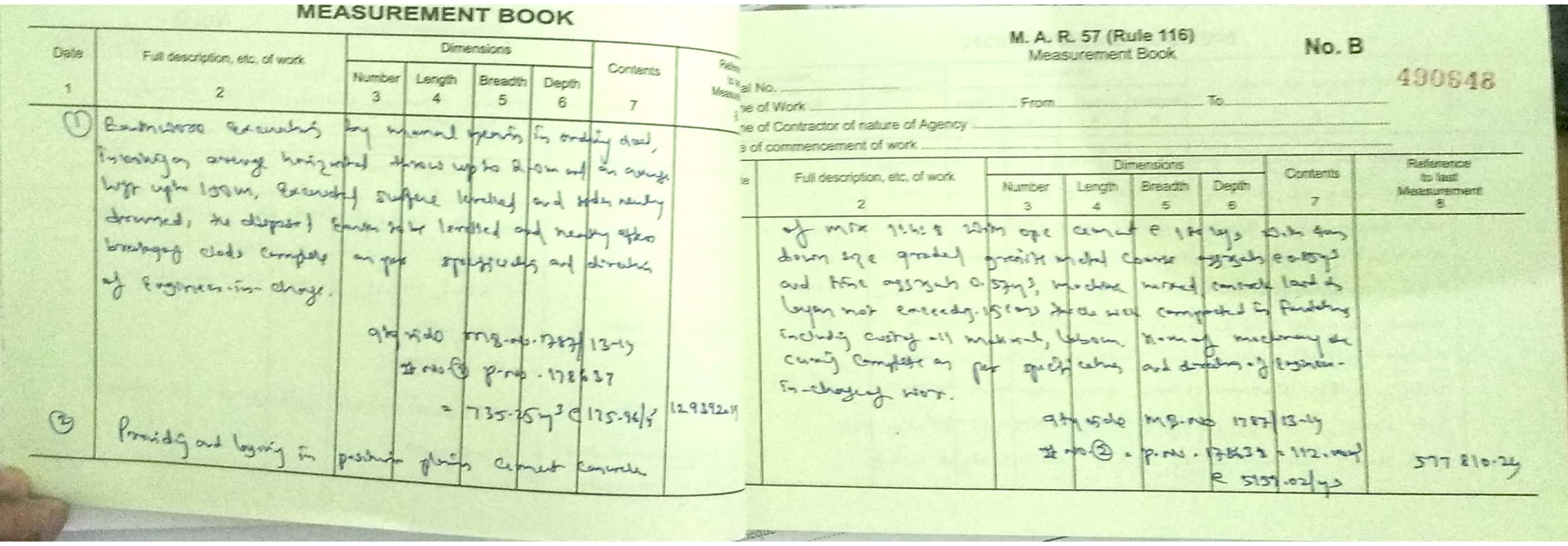
No. 1st and Final Bill

of Work .... From........ To........

of Contractor of nature of Agency Technical Manager (C.W.) KRIDL Bangalore

f commencement of work D.O. Recording.

Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
Name of work :	Imp to Roads and drains at 17th main dept Manji-dwarampa layout in K.G.Halli and Surrounding area in Ward No.12 Shettyhally sub Division.					
Estimated cost Rs	50.00 Lakh					
JOB.No	= 012-18-000006					
W.Order No	= EE(DBMP) PD/WO/325/17-18 Dt. 22.03.2018					
Date of Commencement :	23-03-2018					
Date of Completion :						



MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Refe… to… Measu…
①	Earthwork excavation by manual means in ordinary soil, Involving an average horizontal throw upto 2.0m and an average lift upto 1.50m, Excavated surface levelled and sides neatly dressed, the disposal Earth to be levelled and neatly after breaking clods complete as per specifications and directions of Engineer-in-charge.						
	9th side MB.no. 1787/13-14 It no ① p.no. 178637 = 735.25m³ @ 175.96/m³						129392.19
②	Providing and laying in position plain cement concrete						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 490648

…al No. ____
…e of Work ____ From ____ To ____
…e of Contractor of nature of Agency ____
…e of commencement of work ____

…e	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of mix 1:4:8 with opc cement @ 1?? kgs, with 40mm down size graded granite metal coarse aggregate @ 0.85m³ and fine aggregate 0.57m³, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundations including cost of all material, labour, hire of machinery and curing complete as per specifications and directions of Engineer-in-charge of work.						
	9th side MB.no 1787/13-14 It no ② . p.no . 178638 = 112.04m³ @ 5157.02/m³						577810.24

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Refere to last Measur 8
③	Providing and laying in position reinforced cement concrete of design mix M.20 with opc cement @ 320 kg, with 20mm and down size graded granite metal coarse aggregate @ 0.69 m3 and fine aggregate @ 0.46 m3, with super plasticisers conforming to IS-9103-1999 re-affirmed, 2008, machine mixed concrete laid in layers not exceeding 15 cms thick vibrated for all works in foundations for footings, pedestal, retaining walls, staircase, column pier, abutments pillars, post start buttress, stringer beam, kerving, parapets, bed blocks anchor blocks, plain window-sills etc including						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 490649

ial No. .... From.............................. To..............................
me of Work ....
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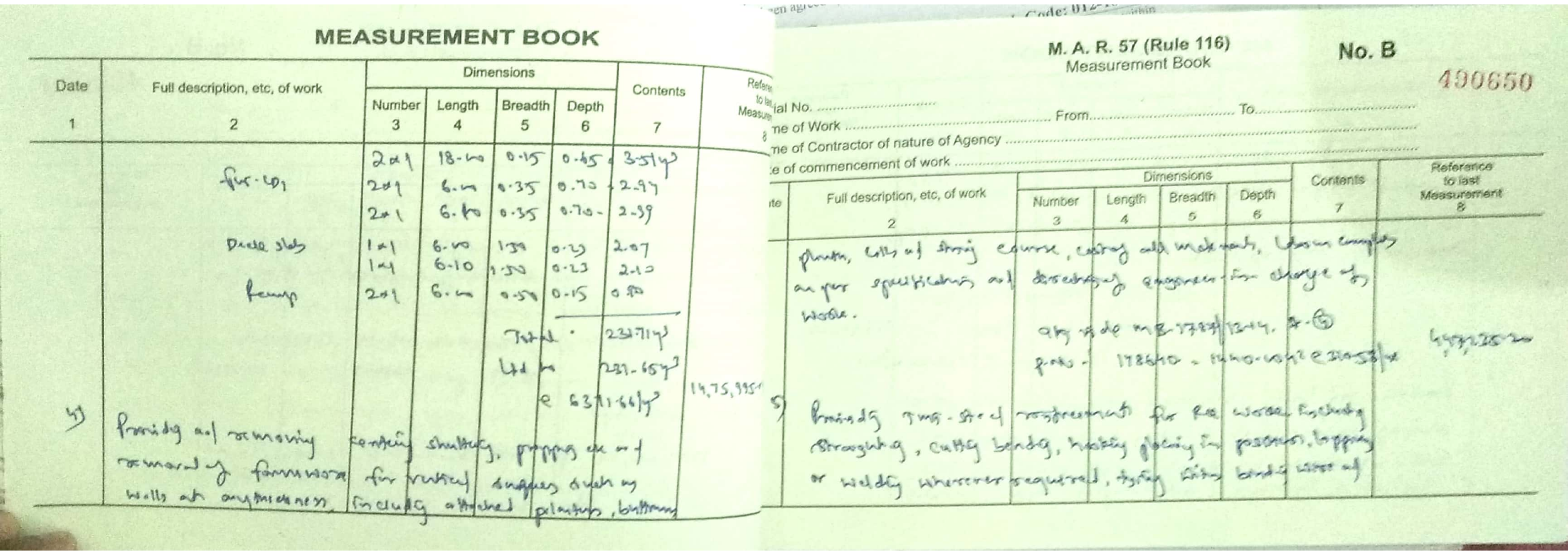
te of commencement of work ....

ate	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
	costing materials, labour, HOM of machinery, curing complete as per specifications and directions of Engineer-in-charge of works.						
	(a) for drain Bed (Bottom)	as per #⑤	vide p.no.	MB.No 17864	1787	13-14. = 105.69 m3	
	(b) for drain side walls 17m main Road LHS	2x10	30.00	0.15	0.60	= 54.00	
		2x1	18.00	0.15	0.65	= 3.51	
	RHS	2x10	30.00	0.15	0.60	= 54.00	



MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2x1	18.00	0.15	0.65	3.51m³	
	Fur. W1	2x1	6.00	0.35	0.70	2.94	
		2x1	6.10	0.35	0.70	2.99	
	Duct slab	1x1	6.00	1.50	0.23	2.07	
		1x1	6.10	1.50	0.23	2.10	
	Ramp	2x1	6.00	0.50	0.15	0.90	
				Total		231.71m³	
				Ltd to		231.65m³	
					@	6371.66/m³	14,75,995/-
4)	Providing and removing centering shuttering, propping etc and removal of formwork for vertical surfaces such as walls at any thickness, including attached pilasters, buttress						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 490650

ial No. .... From.............................. To..............................

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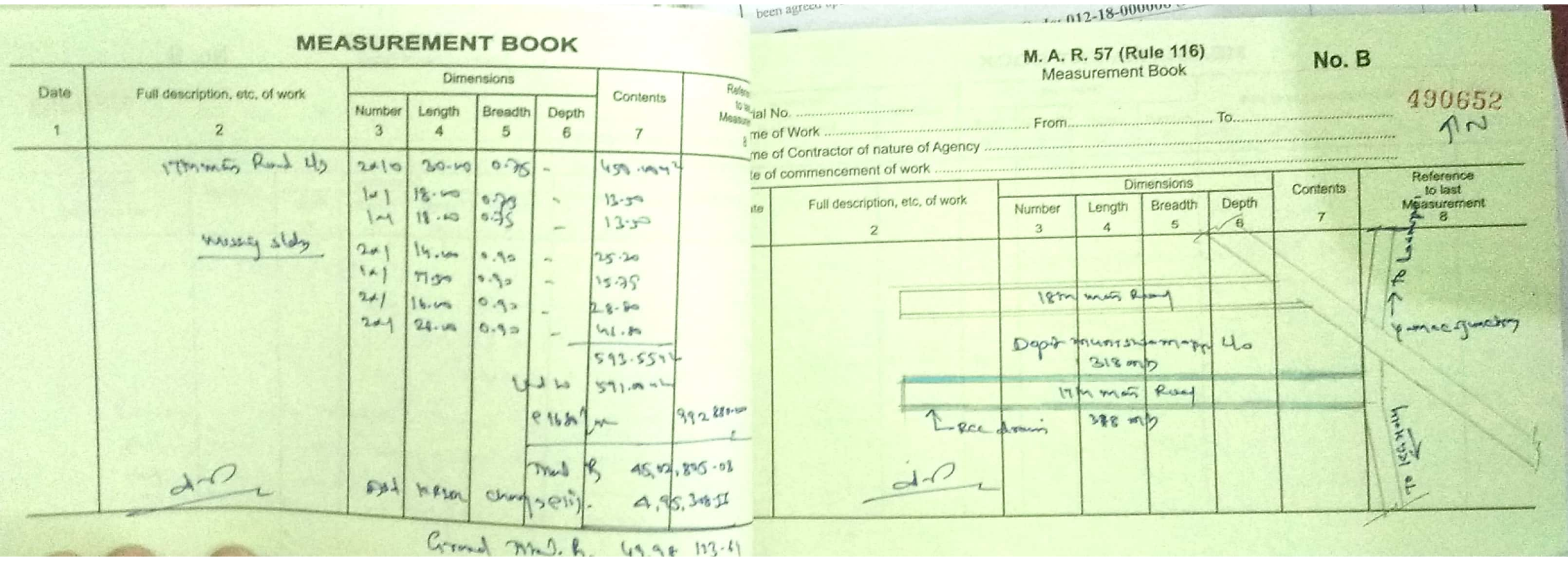
ite	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	plinth, sills of string course, casting all make ups, labour complete as per specification and directions of engineer in charge of the work.						
		qty vide MB-1789/13-14. P-⑤					
		R.qty - 1786.40 - 1440.62m² @ 310.53/m²					4,47,325.20
5)	Providing TMT-steel reinforcement for RCC works including straightening, cutting, bending, hooking placing in position, lapping or welding wherever required, tying with binding wire and						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Refe to Meas
	anchoring to the adjoining members, wherever necessary, complete as per design costing materials, labour, hire of machinery complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide MB. No. 1787/13-14 Item no. ③ p. 178640 = 13.69 mm @					64243.42/mt	879 492
b)	Providing and laying reinforced cement concrete precast slabs of mix R.C.C 1:1½:3 using 20mm and down size graded granite metal using HYSD 10mm dia steel 100mm c/c both ways and complete as per specification						



been agreed

012-18-00000

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	17th main Road U3	2×10	30.00	0.75	-	450.00m²	
		1×1	18.00	0.75	-	13.50	
		1×1	18.00	0.75	-	13.50	
	missing slabs	2×1	14.00	0.90	-	25.20	
		1×1	17.50	0.90	-	15.75	
		2×1	16.00	0.90	-	28.80	
		2×1	24.00	0.90	-	41.80	
						593.55m²	
					Rnd to	591.00m²	
					@ 1680/m²		992880.00
					Total Rs	45,02,895-08	
	d-P	Add	[illegible]	charges 11%.		4,95,308.11	

Grand Total Rs. 49,98,113-19

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Measurement Book

No. B 490652

ial No. ....

me of Work .... From.............................. To..............................

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ite	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	18th main Road Dept Munishamappa U3 318 mts 17th main Road 388 mts RCC drain d-P						To [illegible] y-mac junction to 18th cross